



DIVISION 01 GENERAL REQUIREMENT

011100 SUMMARY OF WORKS

Description of Work

U.S. Embassy Moscow requires the services of a qualified contractor to provide materials and labor for repairs to the kitchens and bathrooms in three (3) residential housing units at Embassy housing at Rosinka residential complex according to this SOW and provided drawings

Summary of Work

The repairs shall consist of following works detailed in the drawings and specifications:

1. Provide product submittals that provide sufficient technical information on materials for review and approval by the COR for all materials prior to construction.
2. The repairs include the following general trades work:
 - a. Installing cabinets.
 - b. Carpentry work.
 - c. Ceramic tile work.
 - d. Plumbing work.
 - e. Painting work.
 - f. Cleaning work.

Contractor will provide the labor, materials, equipment, and other necessary items required for the accomplishment of the repairs.

011113 WORKS COVERED BY CONTRACT DOCUMENTS

1. Execute the work in stages to minimize the “out of service” time for the housing units and to ensure the maximum number of fully finished units. Submit a detailed schedule showing stages of work on a calendar basis for each housing unit to the COR for approval prior to starting the work.
2. Provide protection to areas around the work site. Contractor is responsible to repair and or replace any facility or areas damaged or affected by the execution of the work.
3. Remove existing kitchen cabinets, sinks and counter tops.
4. Install new wood kitchen cabinets and waterproofed chip board covered with Formica counter tops. Install new single stainless-steel sinks, new garbage disposals, new p-traps and faucets.
5. Replace the kitchen floors with new floor tiles. Install vapor barrier and install new insulation in kitchen floor.
6. Remove bathroom vanity, sink and all plumbing fixtures. The only item that remains is the bathroom Tub, which cannot be removed. Remove old tiles, repair walls and floors and install new tiles.
7. Install new vanity, medicine cabinet and vanity lights in the bathrooms.
8. All items and model numbers required for this contract are listed in the attachment A.

011333 STATEMENT OF WORK

MASTER BATHROOM DEMOLITION WORK

1. Disconnect all water supplies on the toilet and the vanity sink.
2. Remove the existing toilet.
3. Remove the existing vanity sink. The Contractor shall take all measurements of the existing vanity to order the replacement.
4. Remove the existing medicine cabinet and lighting above it. Ceiling light/fan will remain. Contractor shall take all measurements of the existing medicine cabinet to order the replacement.
5. Remove the existing ceramic floor tiles, marble thresholds, and wood cove base. Do NOT remove floor sub base and bathtub.
6. Remove the existing bath glass doors; the Contractor is to protect the remaining bathtubs from any damage.
7. Remove the existing pop-up drain and overflow.
8. Remove the existing first layer of the gypsum board around the bathtub.
9. The Contractor shall repair/replace all gypsum board wall areas that are opened to access piping or damaged during the project.
10. Remove the existing built-in blower heater.
11. Remove, protect, and store the existing door for reinstallation.

SMALLER UPSTAIRS BATHROOM DEMOLITION WORK

1. Shut off water supply and disconnect toilet and vanity sink.
2. Remove the existing toilet.
3. Remove the existing vanity sink. The Contractor shall take all measurements of existing vanity to order the replacement.
4. Remove the existing medicine cabinet and lighting above it. Ceiling light/fan will remain. Contractor shall take all measurements of existing medicine cabinet to order the replacement
5. Remove the existing shower stall including door and drain/p-trap.
6. Remove the existing ceramic floor tiles, but do NOT remove the floor sub base.
7. Remove the existing built-in blower heater.
8. Remove the existing first layer of the gypsum board adjacent to the shower stall to facilitate the installation of the new shower stall.
9. Remove, protect, and store the existing door for reinstallation.
10. Do not remove the existing dividing marble threshold between the floor ceramic tile and wooden/carpet flooring.

DOWNSTAIRS BATHROOM DEMOLITION WORK

1. Shut off water supply and disconnect toilet and vanity sink.
2. Remove the existing toilet.
3. Remove the existing vanity sink. The Contractor shall take all measurements of existing vanity to order the replacement.
4. Remove the existing mirror and lighting above it. Ceiling light/fan will remain. The Contractor shall take all measurements of existing mirror to order the replacement.
5. Remove the existing ceramic floor tiles but do NOT remove floor sub-base.
6. Remove the existing baseboard heater.
7. Remove the existing door, protect from damage, and store for reinstallation.

8. Do not remove the existing marble threshold between the floor ceramic tile and wooden/carpet flooring.

KITCHEN DEMOLITION WORK

1. Shut off water supply and disconnect all plumbing fixtures.
2. Remove the existing kitchen cabinets.
3. Remove the existing ceramic floor tiles.
4. Remove the existing baseboard heater.
5. Remove two layers of existing OSB floor board.
6. Remove the existing mineral insulation from between the floor joists

ENTRANCE HALLWAY DEMOLITION WORK

1. Remove the existing ceramic floor tiles.
2. Remove the existing baseboard heater.
3. Remove two layers of existing OSB floor board.
4. Remove the existing mineral insulation from between the floor joists.

MASTER BATHROOM CONSTRUCTION WORK

1. Purchase and install ceramic floor tile Marazzi Cita 20 x 20 cm color white. Coordinate the finish elevations of the floor tile and the toilet flange.
2. Purchase and install new trim plate bathtub faucets with shower attachments. Access to the back the bathtubs must be cut through the wall of the adjacent smaller upstairs bathroom. The Contractor will repair all openings and damage to the walls.
3. Purchase and install bathtub pop-up drains.
4. Purchase and install the floor mounted toilets; 4 inch Wax O rings must be used for toilets installation.
5. Purchase and install toilet seats that fit the toilets. COR will approve the toilet seats before the Contractor purchases them.
6. Purchase and install medicine cabinets. Design of the cabinets must be the same as existing and shall be verified on site visit and approved by COR before ordering.
7. Purchase and install vanity cabinets. The vanity design must be the same as existing and shall be verified on site visit and approved by COR before ordering.
8. Purchase and install vanity sinks. The COR must approve the sink design before ordering.
9. Purchase and install vanity sink faucets. The COR must approve the faucet design before ordering.
10. Purchase and install stainless steel P-traps on the vanity sink stainless steel drains.
11. Purchase and install a stainless steel drain for the vanity.
12. Replace existing vanity sink faucet valve with Embassy furnished 5/8 inch male valve.
13. Install Embassy furnished toilet paper holders on the location as directed by the COR. The Contractor will install a wooden anchor block (minimum of 50 mm x 150 mm) between the wall studs at a height so the toilet paper holder is located at the center line (150 mm face) of the anchor block. Contractor will repair the wall after installing the anchor block.
14. Purchase and install wood cove base with the same shape and dimensions as original.
15. Install Embassy furnished bathtub glass doors.

16. Re-Install stored door.
17. Repair, putty, sand, prep surfaces then paint the gypsum board walls, cove base, door trims, door frame and door with Embassy furnished latex paint color antique white. Two coats of paint must be applied.
18. Repair, putty, sand, prep surfaces then paint the gypsum board ceiling with Embassy furnished latex paint color ceiling white. Two coats of paint must be applied.
19. Caulk all joints around bathtub with silicon adhesive caulk as directed by kit manufacturer. The type of caulk must be approved by COR before ordering.

SMALLER UPSTAIRS BATHROOM CONSTRUCTION WORK

1. Purchase and install ceramic floor tile. Coordinate the finish elevations of the floor tile and the toilet flange.
2. Purchase and install new trim plate bathtub faucets with shower attachments. Access to the back of the bathtubs must be cut through the wall of the adjacent smaller upstairs bathroom. The Contractor will repair all openings and damage to the walls.
3. Purchase and install a bathtub pop-up drain.
4. Purchase and install the floor mounted toilet. A 4 inch Wax O ring must be used for the toilet installation.
5. Purchase and install the toilet seat. COR must approve the toilet seat before ordering
6. Purchase and install a medicine cabinet. Cabinet design must be the same as existing and approved by COR before ordering.
7. Purchase and install a stainless steel pop-up drain in the vanity sink.
8. Purchase and install a vanity cabinet. Design must be the same as existing and shall be approved by COR before ordering.
9. Purchase and install a vanity sink.
10. Purchase and install a vanity sink faucet set.
11. Purchase and install a vanity sink stainless steel drain.
12. Purchase and install a stainless steel P-trap on the vanity sink.
13. Replace existing vanity sink faucet valve with Embassy furnished 5/8 inch male valve.
14. Purchase and install wood cove base with the same dimensions as original.
15. Install Embassy furnished bathtub glass doors.
16. Install Embassy furnished toilet paper holders on the location as directed by the COR. The Contractor will install a wooden anchor block (minimum of 50 mm x 150 mm) between the wall studs at a height so the toilet paper holder is located at the center line (150 mm face) of the anchor block. Contractor will repair the wall after installing the anchor block.
17. Repair, putty, sand, prep surface then paint all gypsum board walls, cove base, door trims, door frame and door with Embassy furnished latex paint - color antique white. Two coats of paint must be applied for complete coverage.
18. Repair, putty, sand, prep surface then paint all gypsum board ceiling with Embassy furnished latex paint color ceiling white. Two coats of paint must be applied.
19. Caulk/silicone all joints around bathtub with adhesive caulk as directed by kit manufacturer. Type of caulk/silicone must be approved by COR before ordering.
20. Re-install stored door.

DOWNSTAIRS BATHROOM CONSTRUCTION WORK

1. Purchase and install ceramic floor tile. Coordinate the finish elevation of the floor tile and the toilet flange.
2. Purchase and install a floor mounted toilet. A 4inch Wax O ring must be used for toilet installations.
3. Purchase and install a toilet seat. The toilet seat shall be approved by the COR before ordering.
4. Purchase and install a medicine cabinet. The cabinet design must be the same as existing and approved by COR before ordering.
5. Purchase and install a vanity cabinet. The cabinet design must be the same as existing and approved by COR before ordering.
6. Purchase and install a vanity sink.
7. Purchase and install vanity sink faucets.
8. Purchase and install a vanity sink stainless steel pop-up drain.
9. Purchase and install a stainless steel P-trap on the vanity sink drain.
10. Replace existing vanity sink faucet valves with Embassy furnished 5/8 inch male valves.
11. Purchase and install wood cove base with the same dimensions as original.
12. Install Embassy furnished toilet paper holders on the location as directed by the COR. The Contractor will install a wooden anchor block (minimum of 50 mm x 150 mm) between the wall studs at a height so the toilet paper holder is located at the center line (150 mm face) of the anchor block. Contractor will repair the wall after installing the anchor block.
13. Re-Install stored door.
14. Repair, putty, sand, prep surface then paint the gypsum board walls, cove base, door trims, door frame and door with Embassy furnished latex paint - color antique white. Two coats of paint must be applied for complete coverage.
15. Purchase and install wall mounted heaters with thermostat: NOBO C2F 02, 250 watt, 475 x 200 x 55mm, color white.
16. Repair, putty, sand, prep surface then paint the gypsum board ceilings with Embassy furnished latex paint - color ceiling white. Two coats of paint must be applied for complete coverage.
17. Caulk all joints around bathtub with adhesive caulk as directed by kit manufacturer. Type of caulk must be approved by COR before ordering

KITCHEN CONSTRUCTION AND REPAIR WORKS

1. Install a vapor barrier into floor opening to protect all floor elements for the whole kitchen floor area (10,5 m2)
2. Purchase and install mineral insulation with the layer no less than 15 cm. thick. The whole kitchen floor (10,5 m2) must be insulated.
3. Purchase and install a moisture barrier over the whole floor to provide a barrier between the insulation and the OSB board.
4. Purchase and install two layers of OSB board, ¾ inch thick on the whole kitchen floor area (10,5 m2)
5. Purchase and install ceramic floor tile and new marble threshold for the kitchens. Coordinate the finish elevation of the floor tile and marble threshold between the ceramic floor tile and the wooden/carpeted flooring. Grout the tile, color must be approved by COR.
6. Purchase and install kitchen cabinets and countertop. The cabinet design must match the existing. The contractor shall provide samples for approval by the COR before ordering.

7. Purchase and install new kitchen sinks to match existing. The contractor shall provide a sample for approval by the COR before ordering.
8. Purchase and install kitchen sink faucets. Type of water supply connection must match existing. The contractor shall provide a sample for approval by the COR before ordering.
9. Purchase and install garbage disposal units, Model ISE Evolution 100 InSinkErator.
10. Repair, putty, sand, prep surface then paint the gypsum board walls, cove base, door trims, door frame and door with Embassy furnished latex paint - color antique white. Two coats of paint must be applied for complete coverage.
11. Repair, putty, sand, prep surface then paint the gypsum board ceiling with Embassy furnished latex paint - color ceiling white. Two coats of paint must be applied for complete coverage.
12. Purchase and install a wall mounted heater with thermostat: NOBO C2F10, 1kWt, 1375 x 200 x 55 mm., color white.

ENTRY HALLWAY CONSTRUCTION AND REPAIR WORKS

1. Install vapor barrier into floor opening to protect all floor elements on all entry hallway floor area.
2. Purchase and install mineral insulation with the layer no less than 15 cm. thick. All entry hallway floor area must be insulated.
3. Purchase and install two layers of OSB board, 3/4" thick on all entry hallway floor area.
4. Purchase and install ceramic floor tile. Coordinate the finish elevation of the floor tile and aluminum threshold between the ceramic floor tile and entry porch. Grout the tile, color must be approved by COR.
5. Repair, putty, sand, prep surface then paint the gypsum board walls, cove base, door trims, door frame and door with Embassy furnished latex paint - color antique white. Two coats of paint must be applied.
6. Repair, putty, sand, prep surface then paint the gypsum board ceilings with Embassy furnished latex paint - color ceiling white. Two coats of paint must be applied.
7. Purchase and install a wall mounted heater with built-in thermostat, NOBO C2F10, 1kWt, 1375 x 200 x 55mm., color white.

011399 GOVERNMENT FURNISHED MATERIALS

1. Plumbing fittings and stop valves (American size standard)
2. Wall paint
3. Ceiling paint

011400 WORK RESTRICTIONS

Protection

Contractor will keep the project area cleaned and remove debris from project site at the end of each day. Loitering around the project site is not permitted.

Contractor shall be responsible for protecting U.S. Government property on site from damage, scratch, dust, water, fire or theft, and ensure caution to prevent accidents caused by various work. Install proper warning signs and protection to the site.

Contractor will provide mixture box to mix mortar or concrete to prevent damage to the

mixing site. Contractor is responsible to repair any damage caused by the implementation of the work. Contractor will do general rewiring and re-piping if required as a result of the various works.

Contractor's operations may not cause disruption of site activities. Contractor's operations shall not generate disagreeable environmental effects, including the emission of noise, fumes, or other emanations. Construction debris shall be monitored at all times. Visual or audible disturbances shall be kept to a minimum, and any work progress, which might cause such disturbances shall be discussed with the COR in advance.

011413 ACCESS TO SITE

The contractor shall permit the Facility Manager and COR or any officer authorized by the COR to have access to the work at all times during the execution of work.

The contractor superintendent shall meet weekly with the COR (unless waived by the COR) to review progress and plans.

011423 CONDITIONS

1. Contractor to inspect and measure the project thoroughly before submitting a bid. Project inspection and measurement must be done after the site meeting unless determined otherwise. No chance for another inspection and measurement will be given to any contractor between the site meeting and bid submission time frame, unless stated otherwise. Submission of the bid is an agreement by the contractor to carry out the project in a turnkey condition.
2. Drawings and specifications are used as a general guide only. Anything not mentioned in the specifications or drawings, but related to common requirements for completion of the project in a satisfactory manner will be determined by the COR at the site meeting and becomes part of the contract.
3. After the site meeting and before submitting the bid, the contractors can ask clarification about the project by submitting a written question to the Contracting Officer. The answer to the question will be distributed to all contractors invited to the site meeting and becomes part of the contract.
4. After the site meeting and commencement of the project, any unforeseen conditions that arise to ensure proper completion of the project will become the contractor's responsibility at no additional cost to the U.S. Government, unless justified otherwise or caused by the embassy.
5. Information shown on the drawings related to the existing conditions represents the present knowledge, but without guarantee of accuracy. Report conditions that conflict with the contract documents to the COR. Do not deviate from the contract documents without written direction from the COR.
6. Contractor shall not perform any additional work without prior approval from the COR.

012000 PRICE AND PAYMENT PROCEDURES

The Contractor shall complete this project according to all specifications and requirements stated in this contract. The price listed below shall include all materials, labors, equipment, tools, transportation, insurance, overhead, profit, and all expenses. The Contract Type shall be "Firm-Fixed Price" with three additive bid options.

Total Contract Price: _____ **US Dollars**
(Includes the price for the base bid items and the three additive bid items)

VAT 18%: _____ **US Dollars**
(Includes the price for the base bid items and the three additive bid items)

Grand Total Contract Price (Total + VAT): _____ **US Dollars**
(Includes the price for the base bid items and the three additive bid items)

The price stated above is total contract price. Detail of prices shall be submitted in form of Bill of Quantity (BOQ). The BOQ shall consist of description, quantity, and unit price of material and labor. Cost of labor can be submitted either Unit Price or Lump Sum.

013119 PROJECT MEETINGS

The Embassy or the contractor may request a meeting (either on-site or off-site) to clarify any part of this contract. The project manager, contractor's superintendent, COR, and other required persons will normally attend.

The contractor will keep minutes of every meeting and provide written copies (within two working days) to the COR for approval.

013213 SCHEDULING OF WORK

Contractor shall schedule work with the COR five (5) days after the contract issuance.

Project Schedules

Format

- Prepare schedules as horizontal bar chart with separate bar for each major portion of work or operation, identifying first workday of each week.
- Sequence of Listing: Chronological order of start of each item of work.
- Scale and Spacing: To provide space for notations and revisions.

Content

- Show complete sequence of construction by activity, with dates for beginning and completion of each element of construction.
- Identify each item by Specification Section number.
- Provide sub-schedules for each stage of work.
- Provide sub-schedules to define critical portions of entire Schedule.
- Coordinate content with Schedule of Values.
- Submit schedule allowing for a 10-day review prior to commencing.

Revision to Schedules

- Indicate progress of each activity to date of submittal and projected completion date of each activity.
- Identify activities modified since previous submittal, major changes in scope, and other identifiable changes.

- Provide narrative report to define problem areas, anticipated delays, and impact on Schedule. Report corrective action taken, or proposed, and its effect.

Submittals:

- Submit initial Schedules within ten (10) days after date of Notice to Proceed. After review, resubmit required revised data within five days.
- Submit revised Progress Schedules with each Application for Payment.

Distribution:

- Distribute copies of reviewed Schedules to project site file, sub-Contractors, suppliers, and other concerned parties.
- Instruct recipients to promptly report, in writing, problems anticipated by projections indicated in Schedules.

Liquidated Damages:

If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of **\$50 USD** for each calendar day of delay until the work is completed or accepted.

If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase.

Government will determine to terminate the Contractor's right to proceed based on but not limited to the following circumstances:

- Contractor shows lack of response or slow response to any procedure required to start the project. If this occur, Government has right to appoint second lowest bidder to do the project within this liquidated damages clause or totally cancel the contract and issue a new contract with a new contractor.
- Contractor shows slow progress in one or more work item in the course of the project that could cause delay to the overall project. If this occurs, Government could either take over the execution of the work item by in-house maintenance team or appoint another contractor to continue and finish the work in timely manner within this liquidated damages clause.

Work Schedules

- Work hours on the site are 09.00-18.00 Monday through Friday.
- Days off: Saturday and Sunday, local and American holidays.

013323 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES SUBMITTAL PROCEDURES

General

For each part of the construction Specified in this scope of work, submit the following as applicable, in accordance with Contract Clauses and Conditions.

- The contractor must include written specifications for the materials and a sample of material (as required) along with his/her quotation.
- Submit shop drawings showing plans/elevations/sections at not smaller than scale 1:100, and details not smaller than scale 1:20.

- Submit As-built drawings showing plans/elevations/sections at not smaller than scale 1:100, and details not smaller than scale 1:20 upon the completion of the project.
- Prepare and submit check list that shows weekly construction progress.
- The contractor shall submit proposed plan and details of staging area.

Samples

Submit physical examples to illustrate materials and workmanship; and to establish standards by which completed work is judged, if requested.

Contractor Responsibilities

- Review shop drawings, material data, and samples prior to submission. Initial, sign, or stamp, certifying the Contractor's review of the submittal.
- Verify:
 - Field measurements.
 - Field construction criteria.
 - Catalog numbers and similar data.
- Coordinate each submittal with requirements of Work and Contract Documents.
- Contractor's responsibility for errors and omissions in submittals is not relieved by COR review of submittals.
- Contractor's responsibility for deviations in submittals from requirements of Contract Documents is not relieved by the COR's review of submittals, unless COR gives written acceptance of specific deviations.
- Notify COR, in writing at time of submission, of deviations in submittals from requirements of Contract Documents.
- Begin no work which requires submittals until return of submittals with COR's stamp and initials or signature indicating review and indication to proceed as noted. Work performed prior to submission and approval of submittals may be subject for rejection.
- Distribute copies after COR's approval.
- Provide submittal information data in English and dimensions in metric units.

Submission Requirements

- Schedule submissions to the COR immediately after Contract award.
- Submit three (3) copies of submittals (minimum).
- Submit three (or to be notified) of each sample requested.
- Accompany submittals with transmittal letter containing:
 - Date
 - Project title and number
 - Contractor's name and address
 - The number of each submittal
 - Notification of deviations from Contract Documents
- Provide each set of submittals bound together with a Cover and Table of Contents.

Re-Submission Requirements

- Provide adequate information; submit formal letter(s) and/or reason(s) for deviation.
- Product Data and Samples: Submit new data and samples as required for initial submittal.
- Shop Drawings.
- Revise initial drawings as required and re-submit as specified for initial submittal.

- Indicate on drawings any changes, which have been made other than those requested by the COR.

013400 SHIPPING

Shipping instructions:

All goods under this project must be labeled as follows:

**American Embassy
General Services Administration
Bolshoi Devyatinsky Pereulok 8
Moscow 121099 Russia
Contract #: SRS500-15-C-0000**

013526 GOVERNMENTAL SAFETY REQUIREMENTS

1. Welding and use of open flames in or adjacent to the Embassy properties requires approval from the Facility Manager (or supervisor). Use of explosive actuated fastening devices shall not be used without the prior permission of the Facilities Manager.
2. Observe and enforce all construction safety measures required by the Local Building Codes, Workers Compensation Board, Municipal Statutes and Authorities.
3. If any personnel are injured, the contractor has sole responsible for such injury.
4. Powered equipment must be in good condition. Electrical and other utility connections must be properly made. Extension cords will be heavy-duty type suitable for the load involved.
5. The Contractor shall submit for approval a Safety Plan in accordance with the safety regulations of the U.S. Embassy, Department of State and OSHA.
6. The U.S. Embassy's safety regulation follows the U.S. Army Corps of Engineers, Safety and Health Manual EM385-1-1, available on the internet from the Army Corps of Engineers website; Local Building Codes; Workers Compensation Board; Municipal Statutes and Authorities. When conflict arises, the code or statute, which is more stringent, shall apply.
7. The Contractor shall provide the appropriate number, size and composition of any and all warning signs as determined by the COR.

013553 SECURITY PROCEDURES

Security Requirements and Procedures for Contractors

Contractors who require access to any of the Embassy offices or facilities are required to comply with the following security procedures:

The Contractor shall provide the Facilities Office with the Full name and Copy of passport on each employee (including supervisors and drivers) who will work on the project for required security office checks. This information must be provided before the Contractor will be allowed access onto the housing development to perform any work.

Unsuitable Workers

Upon the request of the COR, the contractor shall remove any person employed by him who, in the opinion of the COR, is incompetent or has conducted himself improperly. Workers who are found to conduct themselves in an improper manner, such as urination outside the approved toilets, foul language, improper behavior, and other such acts, shall be immediately barred from site. The contractor shall not permit a person who has been removed to return to the work site.

014113 BUILDING CODES

Perform all works in accordance with the US/Russian building codes (Electrical, Plumbing and other codes that pertain to trades involved in this project). In no instance shall a standard identified or established in this section be reduced without written permission from the COR.

014126 PERMITS

Contractor shall be responsible for any permit and administration cost required to perform and complete the project.

014216 DEFINITIONS

“Install,” means, “provide and install” unless stated otherwise. “Repair,” means, “restores to proper and satisfactorily condition using the minimum of the same material as the existing with equal or exceeds quality.” “Upgrade,” means, “correct the existing condition and replace all with new material per U.S. Embassy standard” unless stated otherwise. “Remove,” means, “dismantle and completely remove all materials specified including other materials required to attach it to the building structure or roof or ceiling or wall or soil” unless stated otherwise.

014300 QUALITY ASSURANCE

Quality Control

Maintain quality control over suppliers, manufacturers, products, services, site conditions, and workmanship to produce work of specified quality.

Examine each phase of work and have defective conditions corrected before starting subsequent operations which include cover, or are dependent upon, work in question. The contractor shall apply technical knowledge and specific equipment/tools for related work in the contract. Final inspection and acceptance will be performed by the COR to meet U.S. Government standard.

Utilize qualified personnel who have experience with the specified works to produce workmanship of specified quality.

Contractor must have the ability and sufficient number of personnel to complete the project within the required time frame and with the required level of performance. Contractor must submit confirmation letter stating the commitment to complete the project as scheduled and to comply to all specifications and list of all personnel that will work in the project complete with information of their respected trade. Personnel list and confirmation letter must be attached to the initial bid document.

015100 TEMPORARY UTILITIES

Power Supply, Water and temporary services:

The Embassy will supply free of charge temporary power supply and water for construction proposes. Contractor shall obtain COR approval for the use of utilities prior to the start of its operations. During working, any additional needs must be approved by the COR in advance. NO Phone service will be provided at the site.

015116 TEMPORARY FIRE PROTECTION

- During construction, the contractor shall comply with fire safety practices as outlined in NFPA and local fire protection codes, and in addition:
- The Embassy requires portable fire extinguishers (stored pressure type, UL fire rating 10A:60B: C) to be readily available at all work sites during entire installation period.
- Contractor's field foreman or other assistant foreman shall be appointed as project fire warden for entire construction period.

015219 SANITARY FACILITIES

Contractor must supply his workers with proper sanitation facilities, should they not be available on the outside locations. If the COR approves the use of office facilities for the Contractor's use, it is the responsibility of the Contractor to maintain, on a daily basis, the cleanliness of the facilities.

015400 CONSTRUCTION AIDS

Temporary ladders, scaffolds, hoists:

Furnish and maintain temporary ramps, scaffolds, or hoists as required for proper execution of work. Such apparatus, equipment, and construction shall meet requirement of applicable local safety and labor laws.

Storage and Handling Materials/Equipment/Tools:

Special care should be given to handling and storing materials/equipment/tools. The ownership of the items is passed from the contractor only upon acceptance by the COR. Equipment/tools not accepted by the COR is the contractor's sole responsibility.

015400 TEMPORARY BARRICADES

The contractor shall protect the work as its proceeds, protect the area, which is next to the construction, and protect the materials and components from damage and deterioration. Special consideration should be given to protecting sensitive areas such as hallways, entrances, walls, floors, and carpets areas from dust and construction activities.

The contractor shall provide barricades as required to protect natural resources, site improvements, existing property, adjacent property, and personnel. Where pedestrian traffic is through or adjacent to work area, the contractor shall provide necessary guardrails and barricades to protect pedestrians and to prevent pedestrian access to work areas. Work area open to weather elements must be covered with tarps to prevent water filtration. Remove guardrails and barricades at completion of construction.

017000 EXECUTION AND CLOSEOUT REQUIREMENTS

Final Completion

After completion of the work, the contractor shall make an appointment with COR for inspection and final acceptance with the signature of COR. The work site and related areas

must be in a clean and tidy condition.

Attachment A

TBD

DRAWING ATTACHMENT

See separate PDF attachment

End of scope of works.